Frequency Table HW2

1. Fifteen students were surveyed to see which foreign language they planned to take next year in high school. Make a frequency table to organize this data.

French	German	French	Spanish
Latin	Spanish	Spanish	Spanish
German	Latin	French	Spanish
Spanish	French	German	

   a. What percent of the students chose Spanish?

2. Maria asked her neighbors how many hours of TV they watched last week. The responses are listed below. Make a frequency table to organize the data using intervals of 2.

   10   5   8   12   8   6   14   2   5   10   10   8

   a. Using data from the frequency table, what is the mode?

   b. Why is 10 an unreasonable interval to use with this data?

3. Which is the best scale for a frequency table for the following set of data?

1   26   18   2   5   9   50   45   36   28   36   29

   a. 0 to 50   b. 1 to 99   c. 1 to 75   d. 0 to 100

4. Using the data in #3, what would be the best interval to choose for a frequency table?

   a. 2   b. 3   c. 10   d. 20

5. The frequency table shows the average number of miles traveled by ten taxi drivers in one day.

Miles Driven	Frequency
111 – 120	2
121 – 130	2
131 – 140	2
141 – 150	2
151 – 160	1
161 – 170	0
171 – 180	0
181 – 190	1

   a. What percent of the drivers traveled more than 130 miles?

   b. What is the least amount of miles driven?

      a. 120   b. 111   c. can't tell   d. 190

   c. What is the least possible amount of miles driven?

      a. 120   b. 111   c. can't tell   d. 190